

FIG. 1

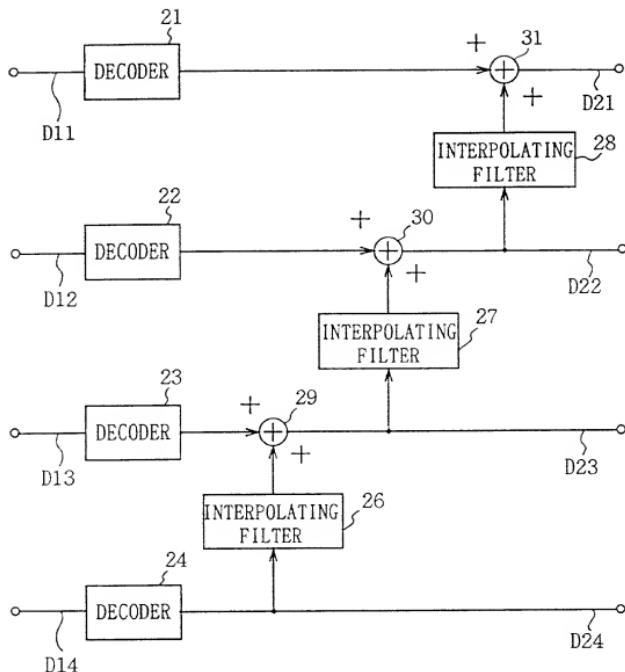
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FIG. 2

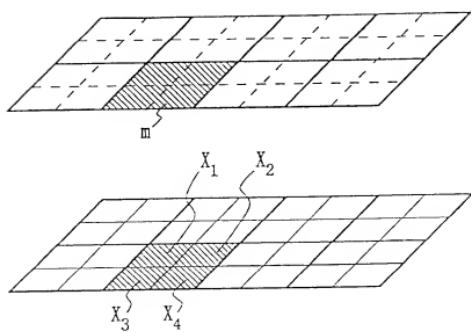


FIG. 3

STANDARD PICTURES	DIVISION INHIBITING CONDITION TO LOWER HIERARCHY (MAXIMUM DIFFERENCE DATA $\leq$ THRESHOLD VALUE)				
	ERROR $\leq$ 1	ERROR $\leq$ 2	ERROR $\leq$ 3	ERROR $\leq$ 4	ERROR $\leq$ 5
SKIN-COLOR CHART	0. 5 6	0. 2 9	0. 2 1	0. 1 9	0. 1 7
YACHT HARBOR	0. 8 6	0. 7 4	0. 6 5	0. 5 9	0. 5 3
SWEATER AND BAG	0. 8 1	0. 5 9	0. 4 4	0. 3 5	0. 2 9
EIFFEL TOWER	0. 5 9	0. 3 8	0. 3 0	0. 2 6	0. 2 4
HAT SHOP	0. 8 2	0. 6 5	0. 5 3	0. 4 5	0. 4 0
LOVERS IN SNOW	0. 6 5	0. 3 5	0. 2 3	0. 1 8	0. 1 4
INFORMATION BOARD FOR TOURIST	0. 7 5	0. 6 0	0. 5 3	0. 4 7	0. 4 3
TULIP GARDEN	0. 9 1	0. 8 7	0. 8 3	0. 7 9	0. 7 5
CHROMAKEY CHART	0. 5 0	0. 3 0	0. 2 5	0. 2 2	0. 2 0
AVERAGE	0. 7 2	0. 5 3	0. 4 4	0. 3 9	0. 3 5
					0. 3 2

FIG. 4

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STANDARD PICTURES	ORIGINAL	FIRST	SECOND	THIRD	FOURTH	FIFTH
	SIGNAL	HIERARCHY	HIERARCHY	HIERARCHY	HIERARCHY	HIERARCHY
SKIN-COLOR CHART	3 0	4	5	5	7	3 0
YACHT HARBOR	5 8	1 3	1 5	1 6	1 7	4 9
SWEATER AND BAG	5 6	6	7	8	1 1	5 3
EIFFEL TOWER	5 2	8	9	9	1 0	4 9
HAT SHOP	5 6	8	1 2	1 5	1 8	4 9
LOVERS IN SNOW	5 6	4	6	8	1 0	5 4
INFORMATION BOARD FOR TOURIST	6 8	1 1	1 5	1 8	1 9	6 1
TULIP GARDEN	5 2	1 7	1 7	1 7	1 6	3 9
CHROMAKEY CHART	5 5	8	9	9	1 0	5 2
AVERAGE	5 4	9	1 1	1 2	1 3	4 8

FIG. 5

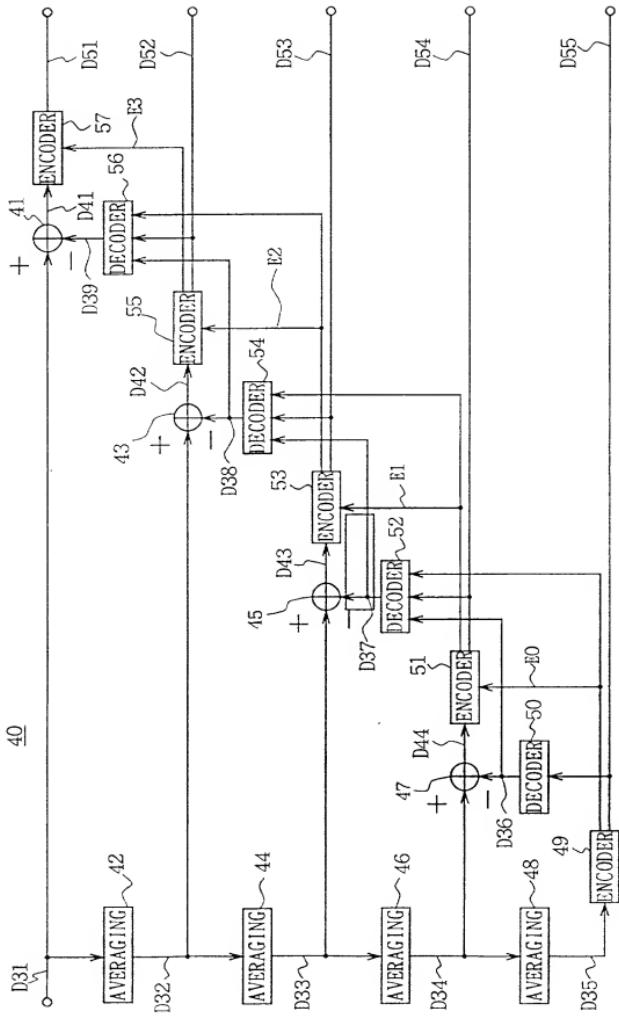


FIG. 6

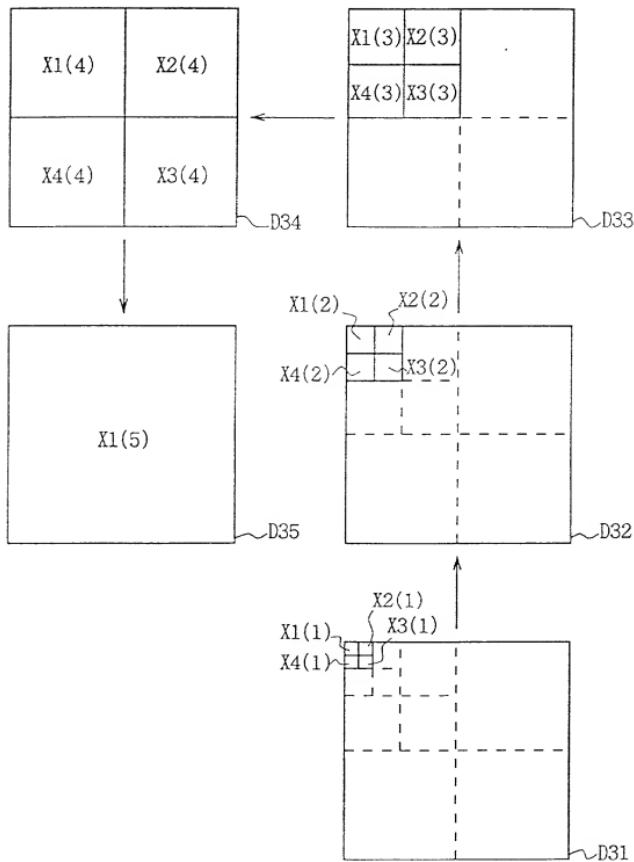


FIG. 7

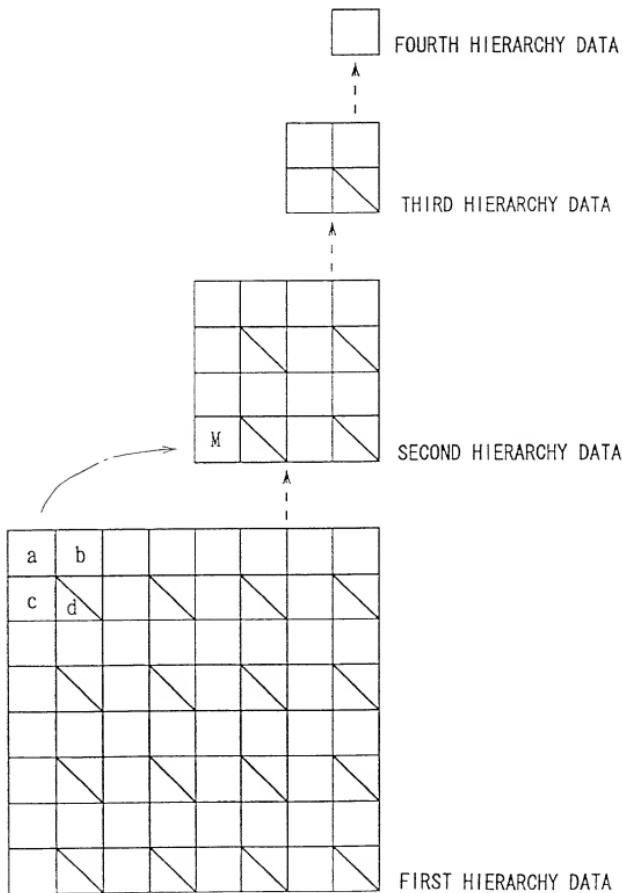


FIG. 8

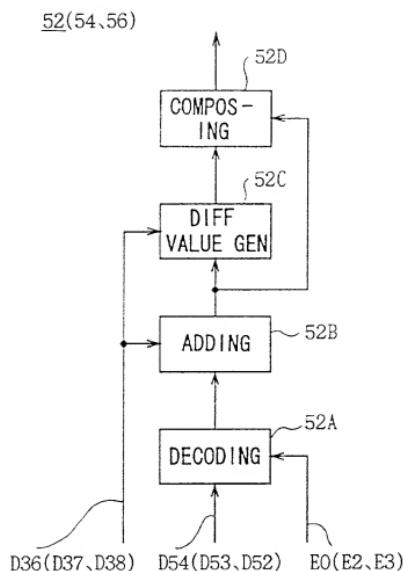


FIG. 9

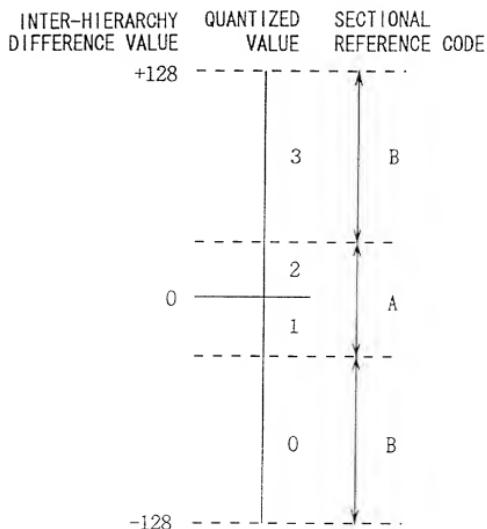


FIG. 10

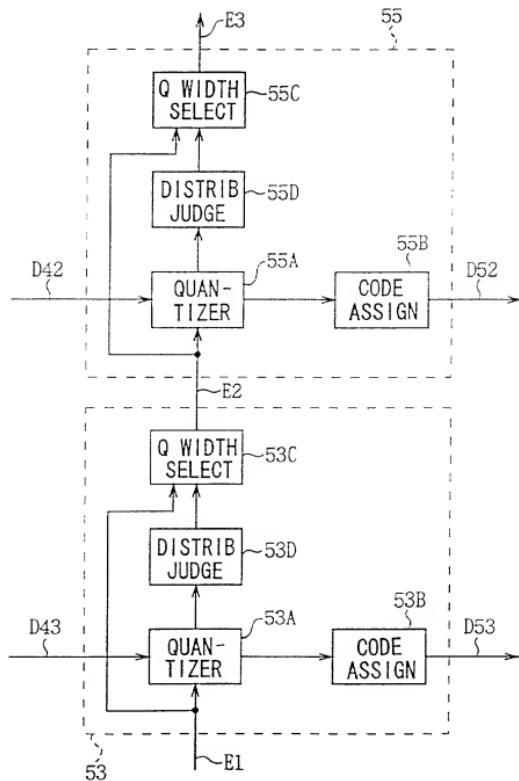


FIG. 11

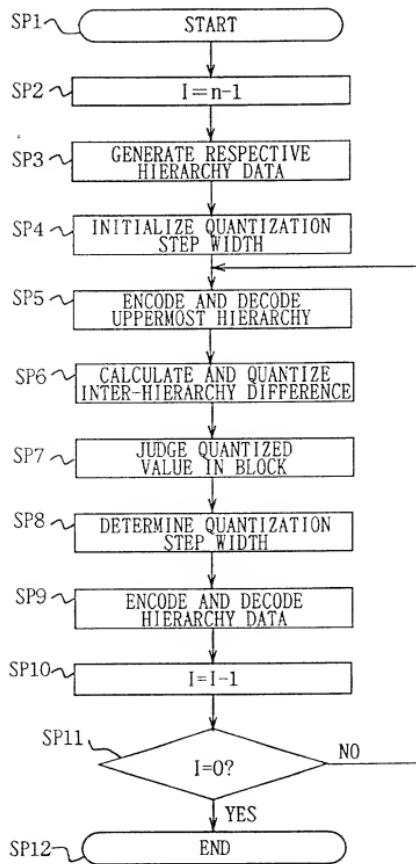


FIG. 12

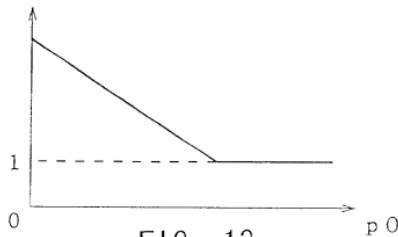
LINEAR WEIGHT :  $w_1(p_0)$ 

FIG. 13

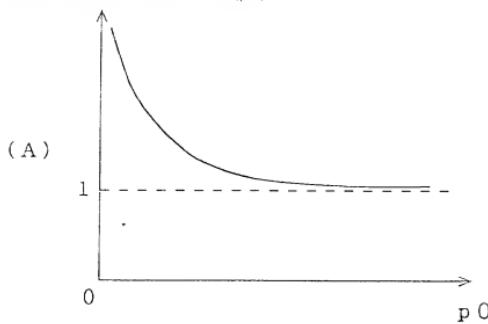
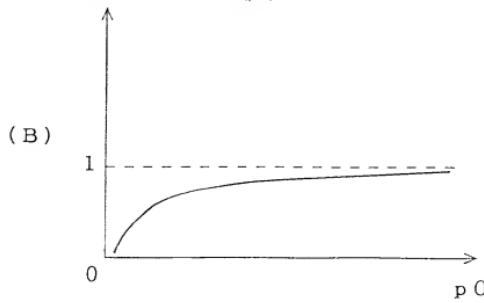
NON-LINEAR WEIGHT :  $w_2(p_0)$ NON-LINEAR WEIGHT :  $w_3(p_0)$ 

FIG. 14

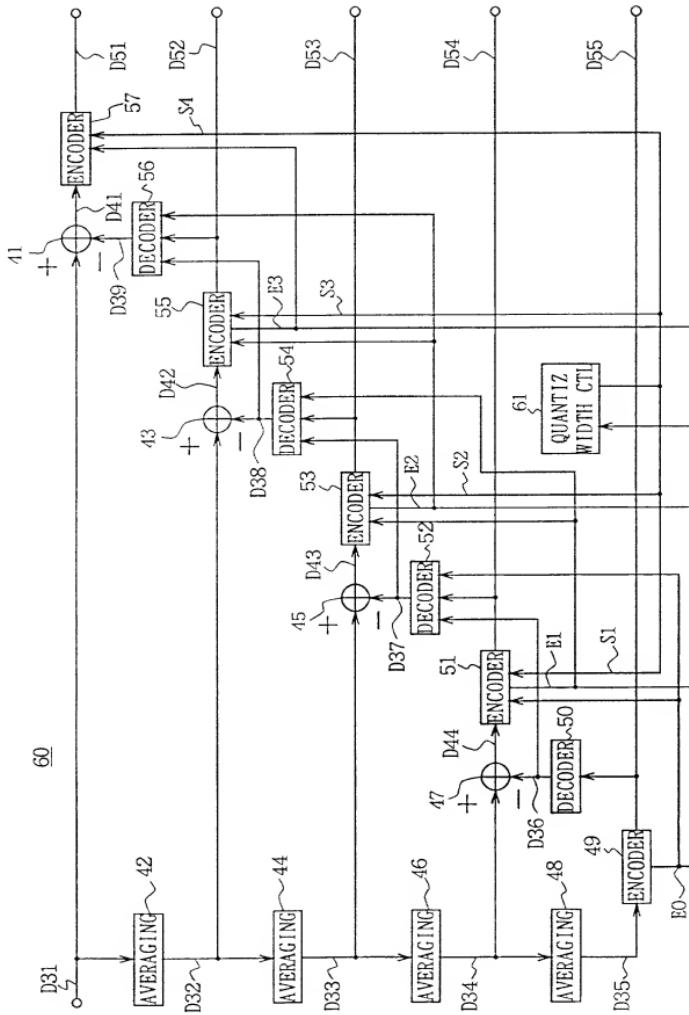


FIG. 15

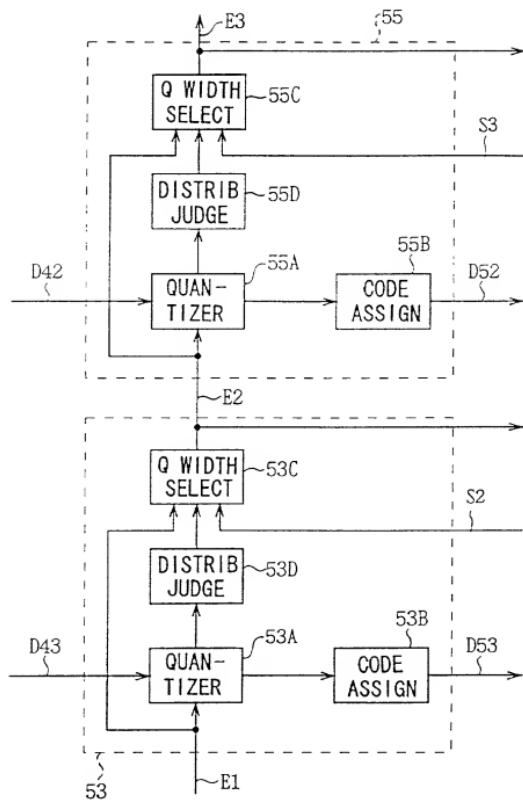


FIG. 16

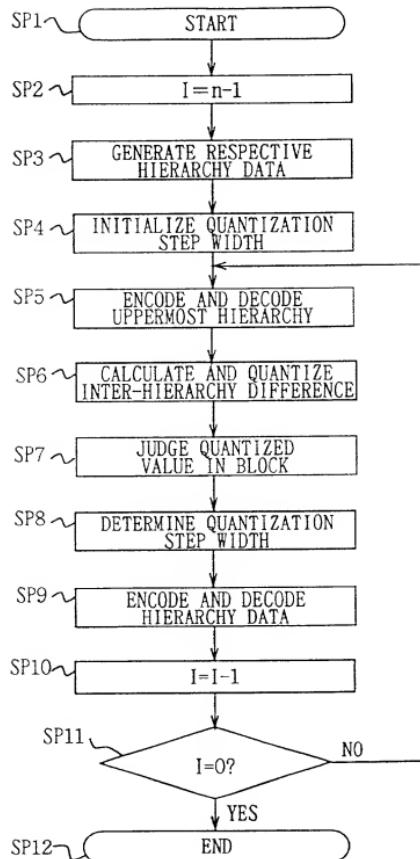


FIG. 17

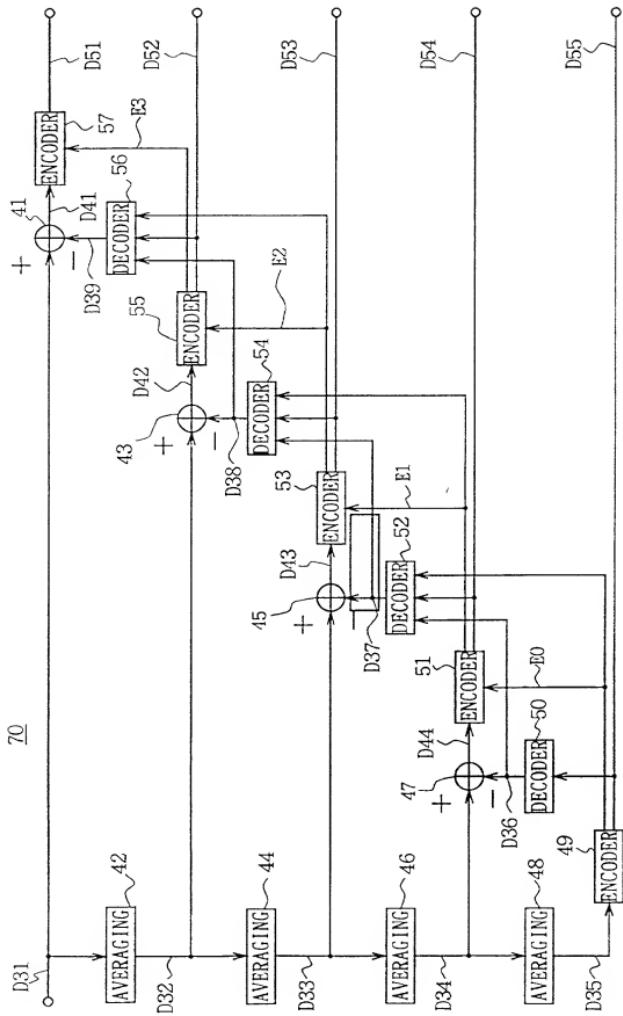


FIG. 18

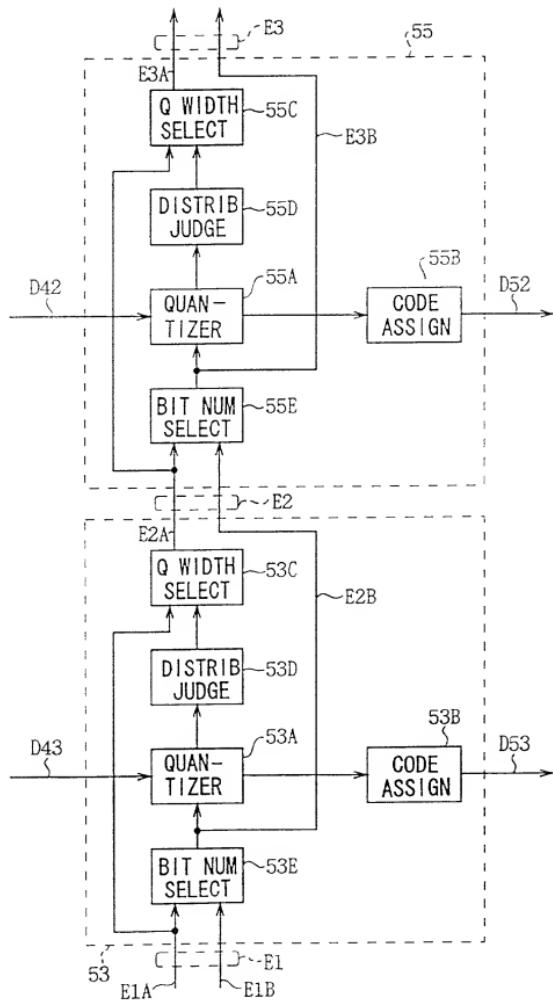


FIG. 19

QUANTIZATION BIT NUMBER  
WEIGHT DETERMINING FUNCTION :  $f_0(p_0)$

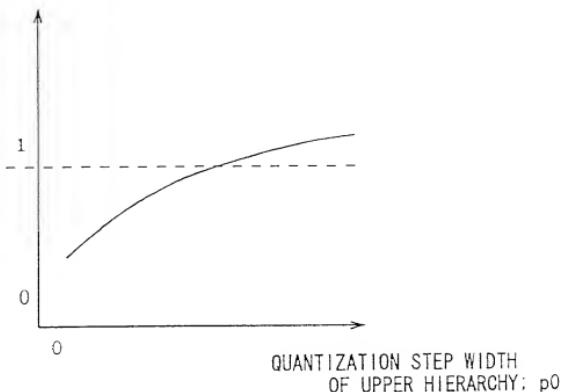


FIG. 20

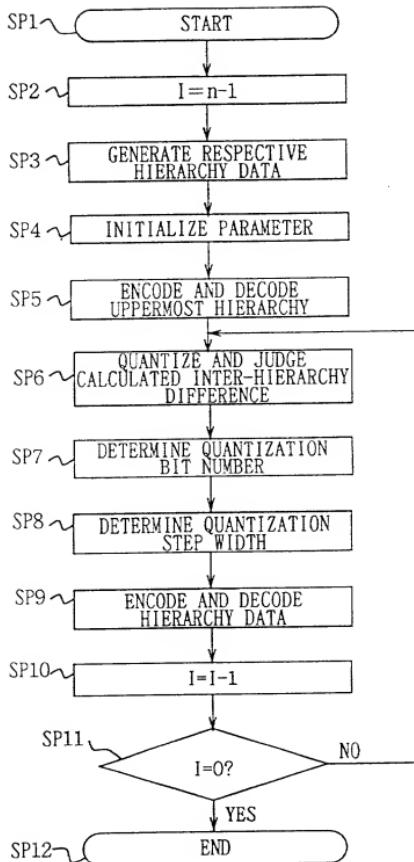


FIG. 21

QUANTIZATION BIT NUMBER  
WEIGHT DETERMINING FUNCTION :  $f_1(ptn)$

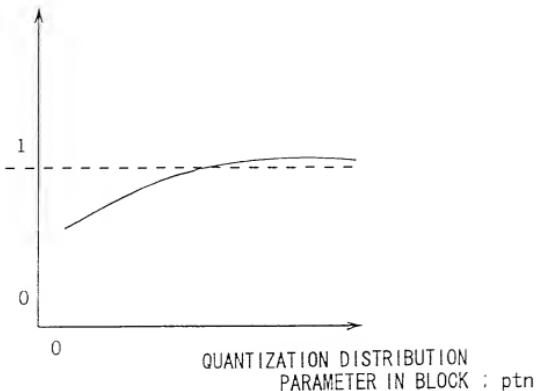


FIG. 22

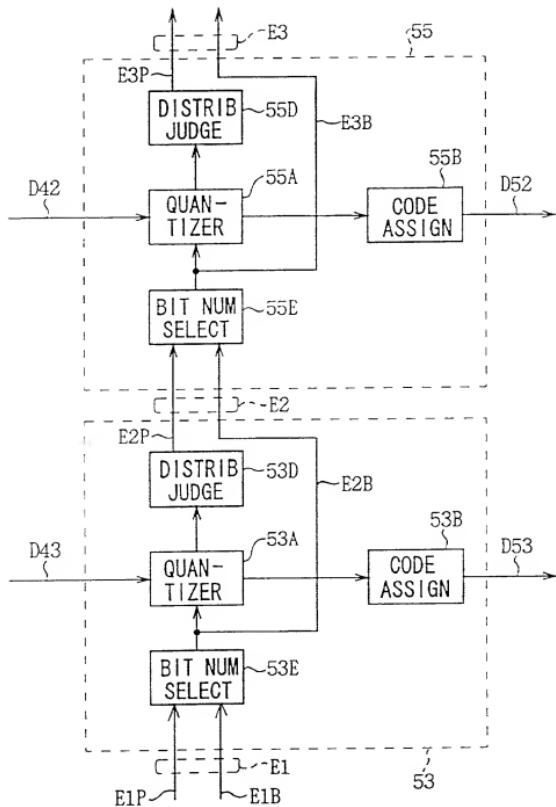


FIG. 23

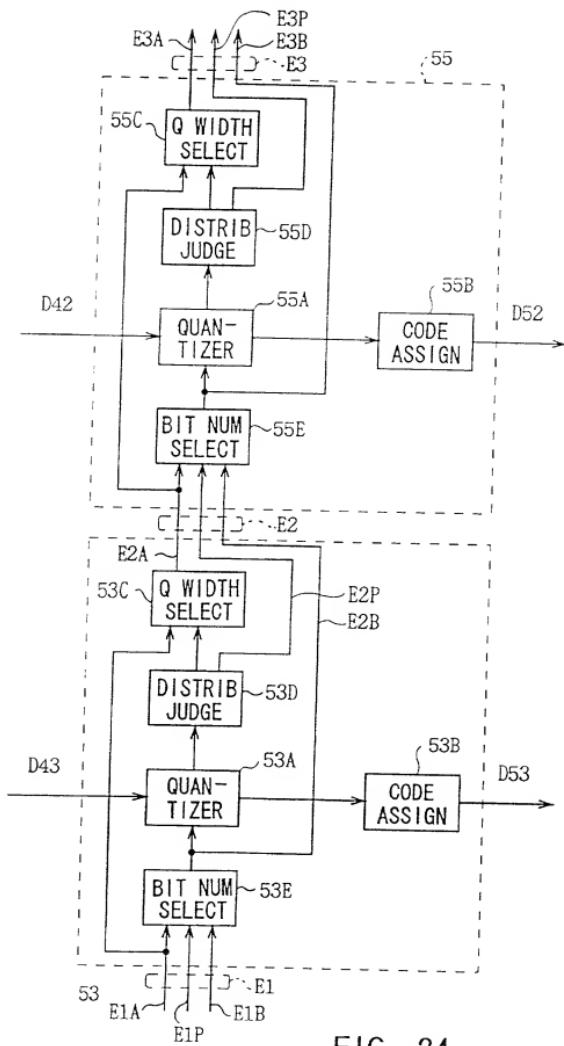


FIG. 24

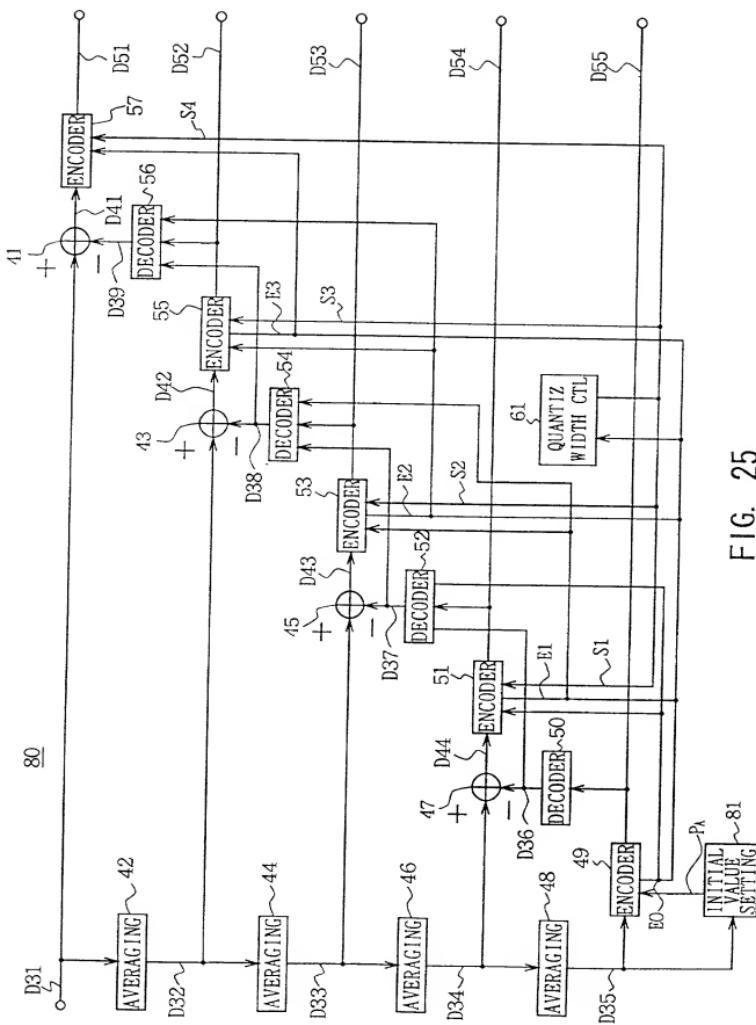


FIG. 25

X 0	X 1	X 2
X 7	m	X 3
X 6	X 5	X 4

FIG. 26

	X 0	
X 3	m	X 1
	X 2	

FIG. 28

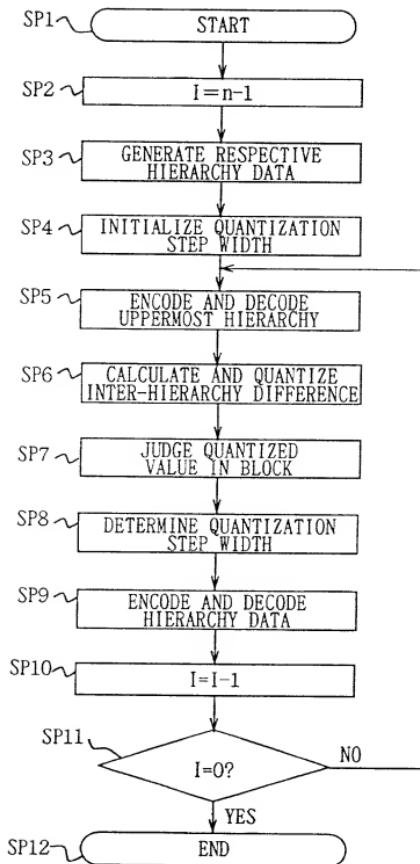


FIG. 27

$x_0$	$x_1$	$x_2$	$x_3$	$x_4$
		$m$		

FIG. 29

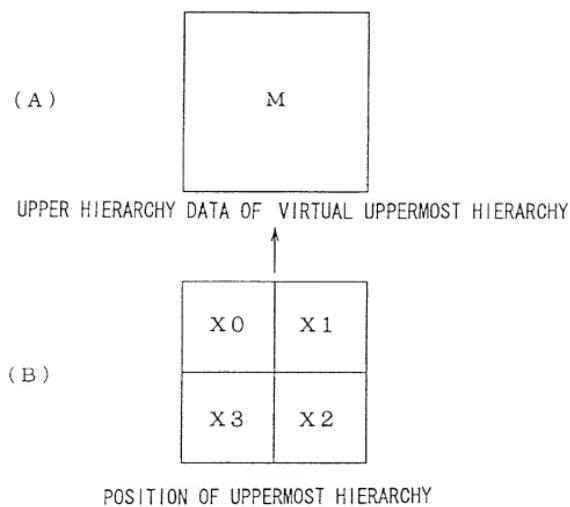


FIG. 30

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